



## PRODUCT DATA SHEET

D9710

**Werlatone® Mismatch Tolerant®** High Power Broadband RF Combiners and Dividers will operate into High Load VSWR Conditions, for extended periods, without damage. With extensive experience as a supplier to military platforms worldwide **Werlatone®** designs its High Power Broadband Combiners, Power Dividers, and N-Way Combiners for proper operation in the most stringent operating conditions.

### Features:

High Power      Wide Bandwidths      Small Size      Custom Designs Available

### Electrical Specifications:

Frequency:	1000 - 2500 MHz
Power:	2000 W CW
Insertion Loss:	0.3 dB Max.
VSWR:	1.40:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.2 dB Max.
Isolation:	Non-Isolated

### Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Weight:	7 lbs.
Size:	Radial

### Connector Configurations:

Model	Sum Port (J9)	Input/Output (J1-J8)
D9710-80	1 5/8" EIA	N Female
D9710-82	1 5/8" EIA	SMA
D9710-808	1 5/8" EIA	TNC Male

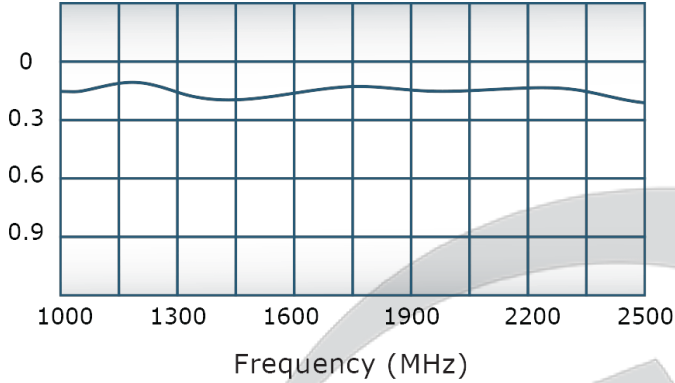
**When specified, Werlatone® High Power Combiners and RF Dividers** will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration from a list of options. Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.

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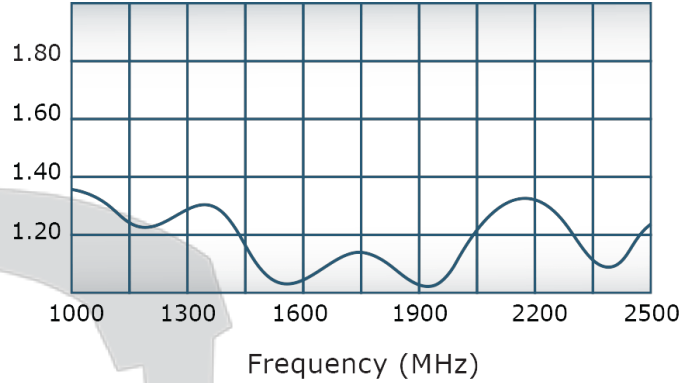
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

## Performance Data (Specifications subject to change without notice):

Insertion Loss:



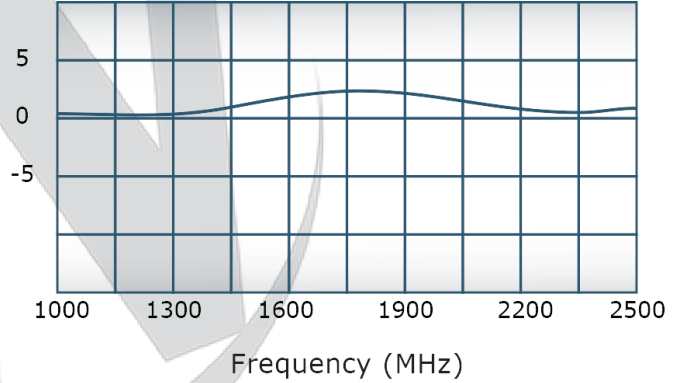
VSWR:



Since 1965:



Phase Balance:



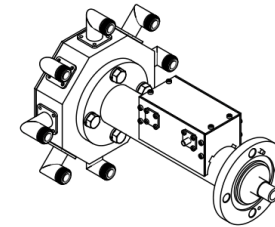
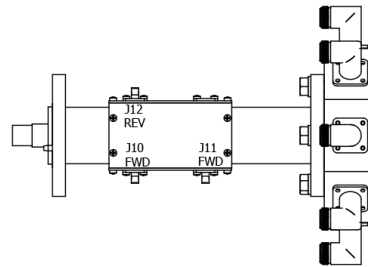
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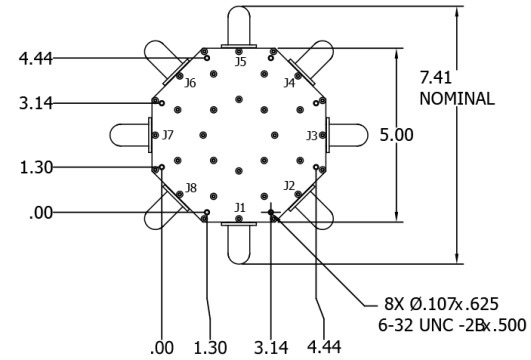
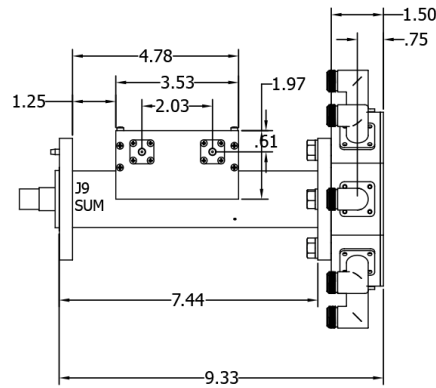
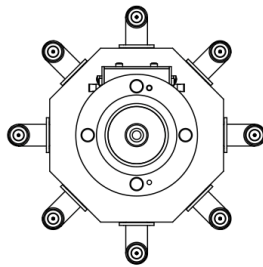
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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
A	INITIAL RELEASE	5/25/2012	BW
B	ECN 7604	11/9/2012	BW
B	ECN 7971	2/20/2013	BW



FOR REFERENCE ONLY



UNLESS OTHERWISE SPECIFIED		DWN	DATE	17 Jon Barrett Rd Patterson, NY 12563
• INTERPRET DRAWING LAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • DIMENSIONAL LIMITS APPLY BEFORE PROCESSING • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSING • TOLERANCES: ANGLES ±2° 3 PL ± .005 2 PL ± .015 • REMOVE ALL BURRS AND SHARP EDGES R1.25 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX THIRD ANGLE PROJECTION		ppoolidoro	11/26/2012	
NEXT ASSY	USED ON	CHK	DATE	TITLE
APPLICATION		ENGR	DATE	OUTLINE, 8WAY
		MFRGR	DATE	SIZE
		QA	DATE	CAGE CODE
		RLSE	DATE	DWG NO
				B 2881220958-500
				REV
				B
				SHEET 1 OF 1

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